

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Sidney Cambridge *et al.*

Serial No.: 10/524,317

Filed: February 9, 2005

For: CAGED TETRACYCLINE  
(DERIVATIVES), THEIR GENERATION,  
AND THEIR USE FOR  
PHOTOACTIVATED GENE  
EXPRESSION

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.: DEBE:051US

CERTIFICATE OF MAILING 37 C.F.R. 1.8	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: MS AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date below:	
November 23, 2005	
Date	Steven L. Highlander

**INFORMATION DISCLOSURE STATEMENT**

**MS AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

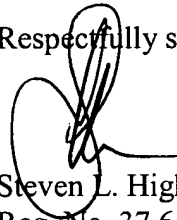
In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/DEBE:051US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Steven L. Highlander  
Reg. No. 37,642  
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.  
600 Congress Avenue, Suite 2400  
Austin, Texas 78701  
(512) 474-5201

Date: November 23, 2005

Form PTO-1449 (modified)		Atty. Docket No. <b>DEBE:051US</b>	Serial No. <b>10/524,317</b>
List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Applicant <b>Sidney Cambridge <i>et al.</i></b>	
		Filing Date: <b>February 9, 2005</b>	Group: <b>Unknown</b>
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2003/018073	01/23/03	Kao <i>et al.</i>	514	539	02/21/02
	A2	6,017,758	01/25/00	Haselton, III <i>et al.</i>	435	325	02/20/98

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 00/10612	03/02/00	WIPO			English
	B2	WO 98/26786	06/25/98	WIPO			English

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Adams and Tsien, "Controlling cell chemistry with caged compounds," <i>Annu. Rev. Physiol.</i> , 55:755-784, 1993.
	C2	Brand and Perrimon, "Targeted gene expression as a means of altering cell fates and generating dominant phenotypes," <i>Development</i> , 118:401-415, 1993.
	C3	Cambridge <i>et al.</i> , "A caged doxycycline analog for photoactivated gene expression with high spatiotemporal resolution," <i>Mol. Biol. Cell</i> , 13:407a, 2002.
	C4	Cambridge <i>et al.</i> , "A caged doxycycline analog for photoactivated gene expression with high spatiotemporal resolution," <i>Society for Neuroscience Abstract Viewer and Itinerary Planner</i> , 2002:623.2, 2002.
	C5	Cambridge <i>et al.</i> , "Photoactivated gene expression," <i>Mol. Biol. Cell</i> , 7:304A, 1996.
	C6	Gatz <i>et al.</i> , "Stringent repression and homogeneous de-repression by tetracycline of modified <i>camv</i> 35s promoter in intact transgenic tobacco plants," <i>The Plant Journal</i> , 2:397-404, 1992.
	C7	Gossen <i>et al.</i> , "Transcriptional activation by tetracyclines in mammalian cells," <i>Science</i> , 268:1766-1769, 1995.
	C8	Hasan <i>et al.</i> , "Long-term, noninvasive imaging of regulated gene expression in living mice," <i>Genesis</i> , 29:116-122, 2001.

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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		Filing Date: February 9, 2005	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>	

### Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C9	Lewandoski, "Conditional control of gene expression in the mouse," <i>Nat. Rev. Genet.</i> , 2:743-755, 2001.
	C10	Monroe <i>et al.</i> , "Caged DNA: a novel strategy to induce expression with light," <i>FASEB J.</i> , 13(4):A192, 1999.
	C11	Svoboda <i>et al.</i> , "In vivo dendritic calcium dynamics in neocortical pyramidal neurons," <i>Nature</i> , 385:161-165, 1997.
	C12	Wilcox <i>et al.</i> , "Synthesis of photolabile 'precursors' of amino acid neurotransmitters," <i>J. Org. Chem.</i> , 55:1585-1589, 1990.
	C13	Yi <i>et al.</i> , "Illegitimate recombination in an escherichia-coli plasmid modulation by DNA damage and a new bacterial gene," <i>J. Bacteriol.</i> , 170(7):2898-2903, 1988.

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